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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	Jun 03	New e-mail delivery for search results now available
NEWS	4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	7	Sep 03	JAPIO has been reloaded and enhanced
NEWS	8	Sep 16	Experimental properties added to the REGISTRY file
NEWS	9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	11	Oct 24	BEILSTEIN adds new search fields
NEWS	12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	13	Nov 18	DKILIT has been renamed APOLLIT
NEWS	14	Nov 25	More calculated properties added to REGISTRY
NEWS	15	Dec 04	CSA files on STN
NEWS	16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	17	Dec 17	TOXCENTER enhanced with additional content
NEWS	18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS	19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS	20	Feb 13	CANCERLIT is no longer being updated
NEWS	21	Feb 24	METADEx enhancements
NEWS	22	Feb 24	PCTGEN now available on STN
NEWS	23	Feb 24	TEMA now available on STN
NEWS	24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	25	Feb 26	PCTFULL now contains images
NEWS	26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS	27	Mar 20	EVENTLINE will be removed from STN
NEWS	28	Mar 24	PATDPAFULL now available on STN
NEWS	29	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS	30	Apr 11	Display formats in DGENE enhanced
NEWS	31	Apr 14	MEDLINE Reload
NEWS	32	Apr 17	Polymer searching in REGISTRY enhanced
NEWS	33	Jun 13	Indexing from 1947 to 1956 added to records in CA/CAPLUS
NEWS	34	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS	35	Apr 28	RDISCLOSURE now available on STN
NEWS	36	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS	37	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS	38	May 15	Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS	39	May 16	CHEMREACT will be removed from STN
NEWS	40	May 19	Simultaneous left and right truncation added to WSCA
NEWS	41	May 19	RAPRA enhanced with new search field, simultaneous left and right truncation

NEWS 42 Jun 06 Simultaneous left and right truncation added to CBNB  
NEWS 43 Jun 06 PASCAL enhanced with additional data  
NEWS 44 Jun 20 2003 edition of the FSTA Thesaurus is now available  
NEWS 45 Jun 25 HSDB has been reloaded

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT  
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
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NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 15:48:56 ON 01 JUL 2003

=> FIL CAPLUS

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'CAPLUS' ENTERED AT 15:49:18 ON 01 JUL 2003

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FILE COVERS 1907 - 1 Jul 2003 VOL 139 ISS 1

FILE LAST UPDATED: 30 Jun 2003 (20030630/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s perfluoro(w)alkanesulfonate?

12909 PERFLUORO

2853 ALKANESULFONATE?

L1 4 PERFLUORO(W)ALKANESULFONATE?

=> s perfluoro(w)alkylsulfonic(w)acid?

12909 PERFLUORO

509 ALKYL SULFONIC

4308366 ACID?

L2 2 PERFLUORO(W)ALKYLSULFONIC(W)ACID?

=&gt; d 11 ibib abs hitstr tot

L1 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:628801 CAPLUS

DOCUMENT NUMBER: 137:180942

TITLE: Inhibition of gap junctional intercellular communication by perfluorinated compounds in rat liver and dolphin kidney epithelial cell lines in vitro and Sprague-Dawley rats in vivo

AUTHOR(S): Hu, Wenyue; Jones, Paul D.; Upham, Brad L.; Trosko, James E.; Lau, Christopher; Giesy, John P.

CORPORATE SOURCE: Aquatic Toxicology Laboratory, Department of Zoology, National Food Safety and Toxicology Center and Institute of Environmental Toxicology, Michigan State University, East Lansing, MI, 48824, USA

SOURCE: Toxicological Sciences (2002), 68(2), 429-436

CODEN: TOSCF2; ISSN: 1096-6080

PUBLISHER: Oxford University Press

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Gap junctional intercellular communication (GJIC) is the major pathway of intercellular signal transduction, and is thus important for normal cell growth and function. Recent studies have revealed a global distribution of some perfluorinated org. compds., esp. perfluorooctane sulfonic acid (PFOS) in the environment. Because other perfluoroalkanes had been shown to inhibit GJIC, the effects of PFOS and related sulfonated fluorochems. on GJIC were studied using a rat liver epithelial cell line (WBF344) and a dolphin kidney epithelial cell line (CDK). In vivo effects on GJIC were studied in Sprague-Dawley rats orally exposed to PFOS for 3 days or 3 wk. Effects on GJIC were measured using the scrape loading dye technique. PFOS, perfluorooctane sulfonamide (PFOSA), and perfluorohexane sulfonic acid (PFHA) were found to inhibit GJIC in a dose-dependent fashion, and this inhibition occurred rapidly and was reversible. Perfluorobutane sulfonic acid (PFBS) showed no significant effects on GJIC within the concn. range tested. A structure activity relationship was established among all 4 tested compds., indicating that the inhibitory effect was detd. by the length of fluorinated tail and not by the nature of the functional group. The results of the studies of the 2 cell lines and the in vivo exposure were comparable, suggesting that the inhibitory effects of the selected perfluorinated compds. on GJIC were neither species nor tissue-specific and can occur both in vitro and in vivo.

REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:651460 CAPLUS

DOCUMENT NUMBER: 135:196652

TITLE: Preparation of bis(perfluoro alkanesulfonyl)imide anion-doped polythiophene and battery electrode thereof

INVENTOR(S): Takeda, Masayuki; Takahashi, Takako; Ue, Makoto

PATENT ASSIGNEE(S): Mitsubishi Chemical Corp., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.

KIND DATE

APPLICATION NO. DATE

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JP 2001240730 A2 20010904 JP 2000-50836 20000228  
PRIORITY APPLN. INFO.: JP 2000-50836 20000228  
OTHER SOURCE(S): MARPAT 135:196652

AB Title polymer, demonstrating high elec. cond. and good impedance properties, useful as a cathode in secondary battery, was prepd. by doping polythiophene with bis(perfluoroalkanesulfonyl)imide anion and/or tris(perfluoroalkanesulfonyl)methide anion. Thus, a cathodic electrolytic capacitor was prepd. by using polythiophene having elec. cond. 15 S/cm (polymd. using FeCl3 in the presence of lithium bis(trifluoromethanesulfonyl)imide) in N-methylpyrrolidinone to give a battery showing capacitance 24 .mu.F and dielec. loss 0.9% at 120 Hz and equiv. resistance 5.OMEGA. at 100 kHz.

L1 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1991:130274 CAPLUS

DOCUMENT NUMBER: 114:130274

TITLE: Partial molar volumes of sodium perfluoroalkanoates and lithium perfluoro-1-alkanesulfonates in aqueous solutions

AUTHOR(S): Tamaki, Kunio; Watanabe, Sumiko; Daikyoji, Yuichi

CORPORATE SOURCE: Dep. Chem., Yokohama City Univ., Yokohama, 236, Japan

SOURCE: Bulletin of the Chemical Society of Japan (1990), 63(12), 3681-2

CODEN: BCSJA8; ISSN: 0009-2673

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The densities of aq. solns. of sodium perfluoroalkanoates, F(CF2)nCOONa (n = 1-4, 6, 7) and lithium perfluoro-1-alkanesulfonates, F(CF2)nSO3Li (n = 1, 4, 8) were measured at 25.degree.C, and the limiting partial molar volumes were calcd. The assignment of group partial molar volumes is discussed.

L1 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1967:37572 CAPLUS

DOCUMENT NUMBER: 66:37572

TITLE: **Perfluoro alkanesulfonate** esters.

Reaction of 2,2,2-trifluoroethyl trifluoromethanesulfonate with p-dimethylaminophenylmagnesium bromide

AUTHOR(S): Mendel, Arthur

CORPORATE SOURCE: Minnesota Mining and Manuf. Co., St. Paul, MN, USA

SOURCE: Journal of Organic Chemistry (1966), 31(10), 3445-6

CODEN: JOCEAH; ISSN: 0022-3263

DOCUMENT TYPE: Journal

LANGUAGE: English

GI For diagram(s), see printed CA Issue.

AB p-Me2NC6H4MgBr with CF3SO2OCH2CH2CF3 gave p-dimethylaminophenyl trifluoromethyl sulfone (I) and 2,2,2 - trifluoroethyl p - dimethylaminobenzenesulfonate. In addn. of acid-sol. nonfluorine-contg. purple material was isolated but could not be purified.

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L2 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2003:282877 CAPLUS

DOCUMENT NUMBER: 138:306811

TITLE: Oligomeric proton-conducting polyimide and acid-functionalized block copolymers as fuel cell polymer separators

INVENTOR(S): Lehmann, Dieter; Meier-Haack, Jochen; Vogel, Claus; Taeger, Antje; Pereira Nunes, Suzana; Paul, Dieter;

PATENT ASSIGNEE(S): Peinemann, Klaus-viktor; Jakoby, Kai  
 Institut Fuer Polymerforschung Dresden E.V., Germany;  
 Gkss-Forschungszentrum Geesthacht GmbH  
 SOURCE: PCT Int. Appl., 30 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003030289	A2	20030410	WO 2002-DE3736	20020927

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,  
 CO, CR, CU, CZ, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM,  
 HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,  
 LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL,  
 PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA,  
 UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,  
 TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,  
 CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,  
 PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,  
 NE, SN, TD, TG

DE 10149716	A1	20030430	DE 2001-10149716	20010928
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PRIORITY APPLN. INFO.: DE 2001-10149716 A 20010928

AB Fuel cell polymer membranes, esp. with improved methanol retention capacity for direct methanol fuel cells, comprises one or more sepg. layers consisting of diblock or multiblock copolymers, with general segment structures A-(B-A)<sub>k</sub>, B-(A-B)<sub>l</sub>, and (A-B)<sub>m</sub> (k .gtoreq.1, l .gtoreq.1, and m .gtoreq.1), in which the block segment (A) comprises an oligomer segment that is non-conducting to electrons and non-conducting to protons, and the block segment (B) comprises an oligomer segment that is conducting to protons and non-conducting to electrons. Block segments (A) and (B) are selected from oligoarylimide, oligoaryl sulfide, oligoaryl ether sulfone, oligoaryl ether, oligoaryl ether ketone, oligoarylene ether ether ketone, oligoaramide, oligoaryl urea, oligoarylene oxadiazole, oligoarylene sulfonamide, oligobenzimidazole, oligobenzoxazole, oligobenzthiazole, and oligoquinoline segments, with d.p. 2-50, optionally in combination with proton-conducting groups, such as sulfonic acids, phosphonic acids, **(perfluoro)alkylsulfonic acids**, (perfluoro)alkylphosphonic acids, (perfluoro)alkenecarboxylic acids, triazine groups, tertiary-amino groups, and quaternary ammonium groups.

L2 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1999:780515 CAPLUS

DOCUMENT NUMBER: 131:351010

TITLE: High selective and effective synthetic method and use of functional (Z,E) conjugated bi-alkene compounds

INVENTOR(S): Lu, Xiyan; Wang, Zhong

PATENT ASSIGNEE(S): Shanghai Inst. of Organic Chemistry, C.A.S., Peop.  
 Rep. China

SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 17 pp.  
 CODEN: CNXXEV

DOCUMENT TYPE: Patent

LANGUAGE: Chinese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1151392	A	19970611	CN 1996-116429	19960718

CN 1045587 B 19991013  
PRIORITY APPLN. INFO.: CN 1996-116429 19960718  
OTHER SOURCE(S): CASREACT 131:351010; MARPAT 131:351010  
AB Title compds. [(Z,E)-XCH:CHCH:CHCH(R1)CH(R2)EWG (X = Cl, Br, I; R1 = H, C1-3 alkyl; R2 = H, C1-6 alkyl, COOR3, Ph, substituted phenyl; R3 = C1-8 alkyl; EWG = CHO, COR4, CH=NSO2Ar; Ar = Ph, methylphenyl; R4 = C1-2 alkyl phenyl)] are prepd. by conjugating R1HC:CR2EWG (R1, EWG as above) with acetylene and Pd(II) as catalysts in the presence of acid and MX (M = Li, Na, K, Bu4N, (CH3(CH2)7)4N; X = Cl, Br, I) in polar solvent (AcOH, TFA, MeCN, DMF-H2O, Et2O/H2O, benzene/H2O) at 0-50.degree. for 1-24 h. The mole ratio of Pd(II) catalyst to acetylene, MX, and R1CH:CR2EWG is 0.00005-0.05:1-1,. The Pd(II) catalysts are selected from Pd(OAc)2, PdCl2(PhCN)2, PdCl2(MeCN)2, Pd(acac)2, PdCl2, PdBr2, Li2PdCl4, and Li2PdBr4; and the acid from HCl, HBr, H2SO4, H3PO4, HOAc, trifluoroacetic acid, **perfluoro-alkylsulfonic acid**, and fluoro-chloroalkylsulfonic acid. The compd. is used for synthesis of material contg. the conjugated bi-alkene of pesticide, medicine, cosmetic, and perfume.

=> log y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
27.27	27.48

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-3.91	-3.91

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STN INTERNATIONAL LOGOFF AT 15:55:10 ON 01 JUL 2003